

# Comparisons of Job Characteristics

**Focus Occupation:** [First-Line Supervisors of Production and Operating Workers \(51-1011\)](#)  
**Associated Occupation:** [Patternmakers, Metal and Plastic \(51-4062\)](#)

[Compare Knowledge](#)  
[Compare Skills](#)  
[Compare Abilities](#)  
[Compare Detailed Work Activities](#)  
[Compare Tools and Technologies](#)

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 66

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)  
**Associated Occupation:** Patternmakers, Metal and Plastic (51-4062)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation                         |
|--|---------------------------------|--------------------------------|---------------------------|----|--|
| Mechanical                                     | 6.8                             | 16.3                           | 10.9                      | << | Extensive education and/or training may be required    |
| Design   | 5.2                             | 14.4                           | 6.5                       | << | Extensive education and/or training may be required    |
| Mathematics                                    | 9.2                             | 14.2                           | 10.6                      | << | Extensive education and/or training may be required    |
| Engineering and Technology                     | 5.7                             | 13.0                           | 8.3                       | << | Extensive education and/or training may be required    |
| Production and Processing                      | 6.0                             | 10.6                           | 17.4                      | >> | Current knowledge level is likely more than sufficient |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 53

**Focus Occupation:** First-Line Supervisors of Production and Operating Workers (51-1011)  
**Associated Occupation:** Patternmakers, Metal and Plastic (51-4062)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation                               |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Operation Monitoring                        | 6.6                             | 9.5                            | 8.1                       | <  | A higher skill level may be required                         |
| Operation and Control                       | 5.4                             | 8.7                            | 5.1                       | << | Extensive development of skills in this area may be required |
| Operations Analysis                         | 5.0                             | 6.7                            | 7.6                       | >  | Skill level is likely sufficient                             |
| Technology Design                           | 2.6                             | 4.6                            | 2.2                       | << | Extensive development of skills in this area may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Abilities   |                                 | Similarity of Focus Occupation to Associated Occupation: 75 |                           |                                |  |
|---|---------------------------------|---|---------------------------|--------------------------------|--|
| Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)<br>Associated Occupation: Patternmakers, Metal and Plastic (51-4062) |                                 |   |                           |                                |  |
| Associated Occupation's Key Abilities Elements  | Average Rating, All Occupations | Associated Occupation's Rating                              | Focus Occupation's Rating | Evaluation of Focus Occupation |  |
| Near Vision   | 11.1                            | 11.5  | 10.2                      | <                              | Some improvement in abilities may be required        |
| Arm-Hand Steadiness   | 6.8                             | 10.7  | 6.4                       | <<                             | Extensive improvement in abilities may be required   |
| Visualization   | 7.5                             | 10.2  | 8.1                       | <                              | Some improvement in abilities may be required        |
| Control Precision   | 6.6                             | 10.0  | 6.8                       | <<                             | Extensive improvement in abilities may be required   |
| Oral Comprehension  | 12.5                            | 10.0  | 13.3                      | >>                             | Current ability level is likely more than sufficient |
| Information Ordering  | 9.9                             | 9.7   | 9.7                       | 0                              | Current ability level may be sufficient              |
| Oral Expression   | 12.4                            | 9.6   | 14.0                      | >>                             | Current ability level is likely more than sufficient |
| Problem Sensitivity   | 11.1                            | 9.5   | 12.1                      | >                              | Current ability level is likely sufficient           |
| Rate Control  | 3.8                             | 6.8   | 5.1                       | <<                             | Extensive improvement in abilities may be required   |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

| Activities that Both Occupations Have in Common   |                         | Similarity of Focus Occupation to Associated Occupation: 64 |
|---|-------------------------|---|
| Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)<br>Associated Occupation: Patternmakers, Metal and Plastic (51-4062) |                         |   |
| Work Activities   | Exclusivity of Activity |   |
| Adjust production equipment/machinery setup   | 25                      |   |
| Examine products or work to verify conformance to specifications  | 15                      |   |
| Monitor production machinery/equipment operation to detect problems   | 27                      |   |
| Read blueprints   | 10                      |   |
| Read technical drawings   | 7                       |   |
| Set up production equipment or machinery  | 51                      |   |
| Understand technical operating, service or repair manuals   | 6                       |   |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)**

**Associated Occupation: Patternmakers, Metal and Plastic (51-4062)**

| Tools and Technologies  | Exclusivity |
|---|-------------|
| Tools and technology data is unavailable for one or both occupations. |             |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.